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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/595,414	01/08/2008	Michinori Suzuki	501/44900/106-PCT-US	8969	
279 G92562010 TREXLER, BUSHNELL, GIANGIORGI, BLACKSTONE & MARR, LTD. 105 WEST ADAMS STREET SUITE 3600 SOOO			EXAM	EXAMINER	
			LU, C CAIXIA		
			ART UNIT	PAPER NUMBER	
CHICAGO, IL 60603			1796		
			NOTIFICATION DATE	DELIVERY MODE	
			03/26/2010	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail $\,$ address(es):

ptodocket@trexlaw.com

Application No. Applicant(s) 10/595,414 SUZUKI ET AL. Office Action Summary Examiner Art Unit Caixia Lu 1796 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 08 March 2010. 2a) ☐ This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 16-19 is/are pending in the application. 4a) Of the above claim(s) 20-23 is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 16.18 and 19 is/are rejected. 7) Claim(s) 17 is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s)

U.S. Patent and Trademark Office PTOL-326 (Rev. 08-06)

1) Notice of References Cited (PTO-892)

Paper No(s)/Mail Date 3/8/10.

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO/SD/08)

Interview Summary (PTO-413)
 Paper No(s)/Mail Date.

6) Other:

5) Notice of Informal Patent Application

Application/Control Number: 10/595,414 Page 2

Art Unit: 1796

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on March 8, 2010 has been entered. Upon reconsideration, the allowance issued October 1, 2009 is withdrawn and currently claim 16-19 are under examination according the to Restriction Requirement of May 20, 2009.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States
- Claims 16, 18 and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Arndt (Angewandte Chemie, International Edition, Vol. 42, Pages 5075-5079, 2003).

Arndt's Y catalyst compositions as disclosed in Scheme 1 on page 5076 and Table 2 on page 5077 comprise an yttrium compound, a $[NMe_2HPh][B(C_6F_5)_4]$ cocatalyst, and an aluminum compound. Arndt's teaching anticipates the instant claims.

Application/Control Number: 10/595,414 Page 3

Art Unit: 1796

Claim Rejections - 35 USC § 103

 The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

 Claims 16, 18 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Windisch et al. (US 6.284.697).

Windisch's Examples 19-25 in cols. 13-14 disclosed the preparation of high cis-1,4-butadiene polymer in the presence a catalyst composition comprising a $Nd(C_3H_4)_3$ complex, $[NMe_2HPh][B(C_6F_5)_4]$ cocatalyst, and triisobutylaluminum. It is noted that Windsch generally discloses that Group IIIB metal allyl complex represented in formula (I) includes vttrium complex in lines 37 to 48 of col. 2.

Therefore, it would have been obvious to provide a yttrium complex containing catalyst composition similar to those of Windisch's Examples 19-25 by replacing the $Nd(C_3H_4)_3$ complex with corresponding $Y(C_3H_4)_3$ complex since such is within the scope of Windisch's teaching and in the absence of any showing of criticality and unexpected results

Allowable Subject Matter

6. Claim 17 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Art Unit: 1796

The cited prior art does not teach or reasonably suggest a catalyst composition comprising the Yttrium β-diketonate complex of instant claim 17.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caixia Lu whose telephone number is (571) 272-1106. The examiner can normally be reached on 9:00 a.m. to 5:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on (571) 272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Caixia Lu/ Primary Examiner, Art Unit 1796